

(12) United States Patent

Roeber

(10) Patent No.:

US 9,992,944 B1

(45) Date of Patent:

Jun. 12, 2018

(54) INBRED CORN LINE AB3010

Applicant: Agrigenetics, Inc., Indianapolis, IN

(72)Inventor: Frank K. Roeber, Baden-Baden (DE)

Assignee: Agrigenetics, Inc., Indianapolis, IN

(US)

(*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35

U.S.C. 154(b) by 89 days.

(21) Appl. No.: 15/171,296

(22) Filed: Jun. 2, 2016

Related U.S. Application Data

- (60) Provisional application No. 62/184,423, filed on Jun. 25, 2015.
- (51) Int. Cl. A01H 5/00 (2018.01)C12N 15/82 (2006.01)A01H 5/10 (2018.01)A01H 1/02 (2006.01)
- (52) U.S. Cl. CPC A01H 5/10 (2013.01); A01H 1/02 (2013.01)
- (58) Field of Classification Search

See application file for complete search history.

(56)References Cited

U.S. PATENT DOCUMENTS

5,523,520	A	6/1996	Hunsperger et al.	
6,025,547	A	2/2000	Stucker	
6,096,953	A	8/2000	Hoffbeck	
8,907,158	B1*	12/2014	Gorman	A01H 5/10
				800/260

OTHER PUBLICATIONS

Allard, In Principles of Plant Breeding, John Wiley & Sons, Inc. pp. 155-156, 1960.

Phillips, et al., In Corn and Corn Improvement, ASA Monograph No. 18, 3rd edition, pp. 345, 358, 1988.

Eshed, et al., Genetics (1996), vol. 143, pp. 1807-1817.

Kraft, et al., Theoretical Applied Genetics (2000), vol. 101, pp.

Murray, et al., Proceedings of the 43rd Annual Corn and Sorghum Industry Research Conference, vol. 43, p. 72-87, 1988.

* cited by examiner

Primary Examiner - Vinod Kumar (74) Attorney, Agent, or Firm - Lynda M. Fitzpatrick

ABSTRACT

An inbred corn line, designated AB3010, the plants and seeds of the inbred corn line AB3010, methods for producing a corn plant, either inbred or hybrid, produced by crossing the inbred corn line AB3010 with itself or with another corn plant, and hybrid corn seeds and plants produced by crossing the inbred line AB3010 with another corn line or plant and to methods for producing a corn plant containing in its genetic material one or more transgenes and to the transgenic corn plants produced by that method. This invention also relates to inbred corn lines derived from inbred corn line AB3010, to methods for producing other inbred corn lines derived from inbred corn line AB3010 and to the inbred corn lines derived by the use of those methods.

20 Claims, No Drawings